

FILE 'WPIX, HCAPLUS' ENTERED AT 18:06:14 ON 24 NOV 2004

L1 2 SEA ABB=ON PLU=ON US6646344/PN
D MAX
D 2 ALL
L2 SEL PLU=ON L1 1- IC RN : 17 TERMS

FILE 'HCAPLUS' ENTERED AT 18:06:44 ON 24 NOV 2004

L3 1 SEA ABB=ON PLU=ON US6646344/PN
L4 SEL PLU=ON L3 1- RN : 6 TERMS
L5 13 SEA ABB=ON PLU=ON L4
L6 1 SEA ABB=ON PLU=ON L3 AND L5
D ALL HITSTR

FILE 'WPIX, HCAPLUS' ENTERED AT 18:07:25 ON 24 NOV 2004

L7 2 SEA ABB=ON PLU=ON US6646344/PN
L8 SEL PLU=ON L7 1- PN : 10 TERMS

FILE 'DPCI' ENTERED AT 18:08:14 ON 24 NOV 2004

L9 20 SEA ABB=ON PLU=ON L8/PN.G
L10 1 SEA ABB=ON PLU=ON L8
L11 SEL PLU=ON L10 1- PN.D : 20 TERMS
L12 155 SEA ABB=ON PLU=ON L11
L13 SEL PLU=ON L12 1- PRN : 309 TERMS

FILE 'REGISTRY' ENTERED AT 18:09:38 ON 24 NOV 2004

L14 1 SEA ABB=ON PLU=ON 7440-50-8/RN
L15 259354 SEA ABB=ON PLU=ON 7440-50-8/CRN
L16 1 SEA ABB=ON PLU=ON 1317-39-1/RN
L17 151 SEA ABB=ON PLU=ON 1317-39-1/CRN
L18 64 SEA ABB=ON PLU=ON L15 AND L17

FILE 'HCAPLUS' ENTERED AT 18:10:40 ON 24 NOV 2004

L19 104 SEA ABB=ON PLU=ON L13
L20 1 SEA ABB=ON PLU=ON L18 AND L19
L21 4055 SEA ABB=ON PLU=ON L14 AND L16
L22 162 SEA ABB=ON PLU=ON L21 AND COMPOSITE
L23 135 SEA ABB=ON PLU=ON L21 AND SINTER#####
L24 23 SEA ABB=ON PLU=ON L22 AND L23
D L20 ALL HITSTR
L25 23 SEA ABB=ON PLU=ON L24 NOT L20
D BIB AB HITSTR TOT
E SINTER/CT
E E9+ALL/CT
L26 218902 SEA ABB=ON PLU=ON SINTERING/CT OR "SINTERING KINETICS"/CT OR
"POWDER METALLURGY"/CT OR "SINTERING AIDS"/CT OR SINTER#####
OR COMPACT#####(5A)HOT OR MOLD#####(5A)HOT
L27 11 SEA ABB=ON PLU=ON L18 AND L26
L28 10 SEA ABB=ON PLU=ON L27 NOT (L25 OR L20)
D BIB AB HITSTR TOT

FILE 'DPCI' ENTERED AT 18:15:59 ON 24 NOV 2004

L29 1 SEA ABB=ON PLU=ON US6646344/PN
D ALL

FILE 'HCAPLUS' ENTERED AT 18:16:55 ON 24 NOV 2004

L30 5094 SEA ABB=ON PLU=ON (L14 OR L15) AND (L16 OR L17)
L31 49 SEA ABB=ON PLU=ON L30 AND HARDNESS
L32 38 SEA ABB=ON PLU=ON L30 AND THERMAL(W)CONDUCT#####
L33 2 SEA ABB=ON PLU=ON L30 AND CTE
L34 50 SEA ABB=ON PLU=ON L30 AND EXPAN#####(2A)(COEFF##### OR
THERMAL##)
L35 386 SEA ABB=ON PLU=ON L30 AND "RANGE"
L36 37 SEA ABB=ON PLU=ON L30 AND "RANGING"

L37 1826 SEA ABB=ON PLU=ON L30 AND PROPERTIES
 L38 298 SEA ABB=ON PLU=ON L30 AND DISPERS#####
 L39 851 SEA ABB=ON PLU=ON L30 AND PHASE
 L40 98 SEA ABB=ON PLU=ON L37 AND L38
 L41 395 SEA ABB=ON PLU=ON L37 AND L39
 L42 68 SEA ABB=ON PLU=ON L38 AND L39
 L43 9 SEA ABB=ON PLU=ON (L31 OR L32 OR L33 OR L34) AND (L35 OR
 L36)
 L44 0 SEA ABB=ON PLU=ON L31 AND (L32 OR L33 OR L34)
 L45 11 SEA ABB=ON PLU=ON L31 AND L38
 L46 17 SEA ABB=ON PLU=ON L32 AND (L33 OR L34)
 L47 159 SEA ABB=ON PLU=ON SEMICOND##### AND (L31 OR L32 OR L33
 OR L34 OR L35 OR L36 OR L37 OR L38)
 L48 22 SEA ABB=ON PLU=ON (L31 OR L32 OR L33 OR L34) AND L47
 L49 125 SEA ABB=ON PLU=ON (L31 OR L32 OR L33 OR L34 OR L35 OR L36 OR
 L37 OR L38) AND COMPOSITE
 L50 23 SEA ABB=ON PLU=ON L47 AND L49
 L51 23 SEA ABB=ON PLU=ON L31 AND (L35 OR L36 OR L37)
 L52 212 SEA ABB=ON PLU=ON TEMPERATURE AND (L35 OR L36)
 L53 7 SEA ABB=ON PLU=ON (L31 OR L32 OR L33 OR L34) AND L52
 L54 16 SEA ABB=ON PLU=ON L32 AND L34
 L55 0 SEA ABB=ON PLU=ON MMC AND (L31 OR L32 OR L33 OR L34 OR L35
 OR L36 OR L37 OR L38 OR L39 OR L40 OR L41 OR L42 OR L43 OR L44
 OR L45 OR L46 OR L47 OR L48 OR L49 OR L50 OR L51 OR L52 OR L53
 OR L54)
 L56 0 SEA ABB=ON PLU=ON MMC AND L30
 L57 70 SEA ABB=ON PLU=ON L33 OR L43 OR (L45 OR L46) OR L48 OR (L50
 OR L51) OR (L53 OR L54)
 L58 60 SEA ABB=ON PLU=ON L57 NOT (L28 OR L25 OR L6)
 L59 22 SEA ABB=ON PLU=ON L58 AND COMPOSITE
 L60 16 SEA ABB=ON PLU=ON L58 AND DISPERS#####
 L61 31 SEA ABB=ON PLU=ON (L59 OR L60)
 D BIB AB HITSTR TOT
 L62 44 SEA ABB=ON PLU=ON L58 NOT PRY>1998
 L63 24 SEA ABB=ON PLU=ON L62 NOT L61
 L64 24 SEA ABB=ON PLU=ON L63 NOT (L28 OR L25 OR L6)
 L65 4 SEA ABB=ON PLU=ON L64 AND ?SINTER?
 D BIB AB HITSTR TOT
 L66 103 SEA ABB=ON PLU=ON (L31 OR L32 OR L33 OR L34) NOT (L28 OR L25
 OR L6 OR L65)
 L67 13 SEA ABB=ON PLU=ON L66 AND ?SINTER?
 D L67 BIB AB KWIC 1-13
 D L67 BIB AB HITSTR 1-13

127865

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 3/15/2004 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 272-2511.

Date 7/29/04 Serial # 800091485,229 Priority Application Date _____Your Name M. Lewis Examiner # _____AU 2899 Phone 202-1538 Room 5A30In what format would you like your results? Paper is the default. ☒ PAPER ☐ DISK ☐ EMAIL

If submitting more than one search, please prioritize in order of need. _____

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Primary Refs ☒ Nonpatent Literature ☐ Other ☐Secondary Refs ☐ Foreign Patents ☐Teaching Refs ☐What is the topic, such as the **novelty**, motivation, utility, or other specific facets defining the desired **focus** of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.Claims 19-28Problem: See pages 2-6Solution: " " 6-17Please look for the materials and ranges that are disclosed.

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Searcher Location: STIC-EIC2800, JEF-4B68

Date Searcher Picked Up: 7/29/04Date Completed: 7/30/04Searcher Prep/Rev Time: 190Online Time: 180

Type of Search

Structure (#) ☒Bibliographic ☐Litigation ☐Fulltext ☒Patent Family ☒Other ☐

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Date 11/15/04 Serial # 09485727 Priority Application Date _____Your Name M. Lewis Examiner # _____AU 2872 Phone 272-1835 Room 5A30In what format would you like your results? Paper is the default. PAPER DISK EMAILIf submitting more than one search, please prioritize in order of need. *Need before 11/23*

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Teaching Refs _____

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Searcher Location: STIC-EIC2800, JEF-4B68

Date Searcher Picked Up: 11-24-04Date Completed: 11-24-04Searcher Prep/Rev Time: 25Online Time: 30**Type of Search**

Structure (#) _____

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